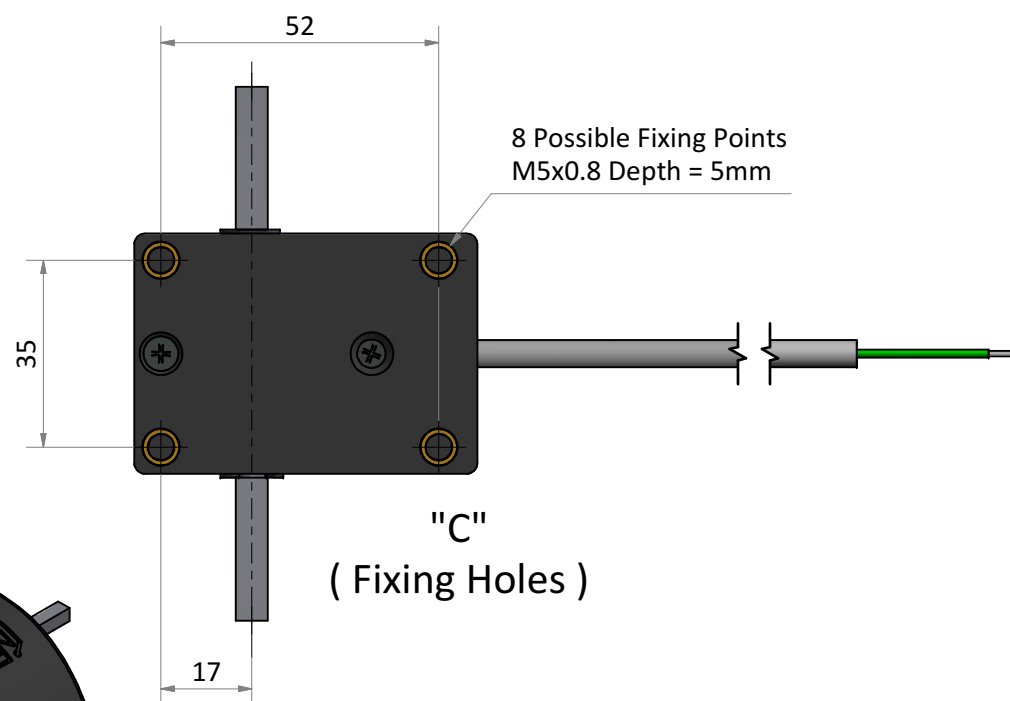
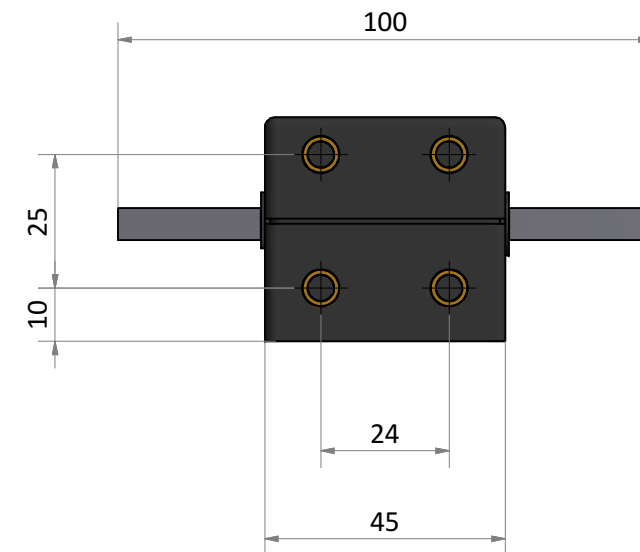
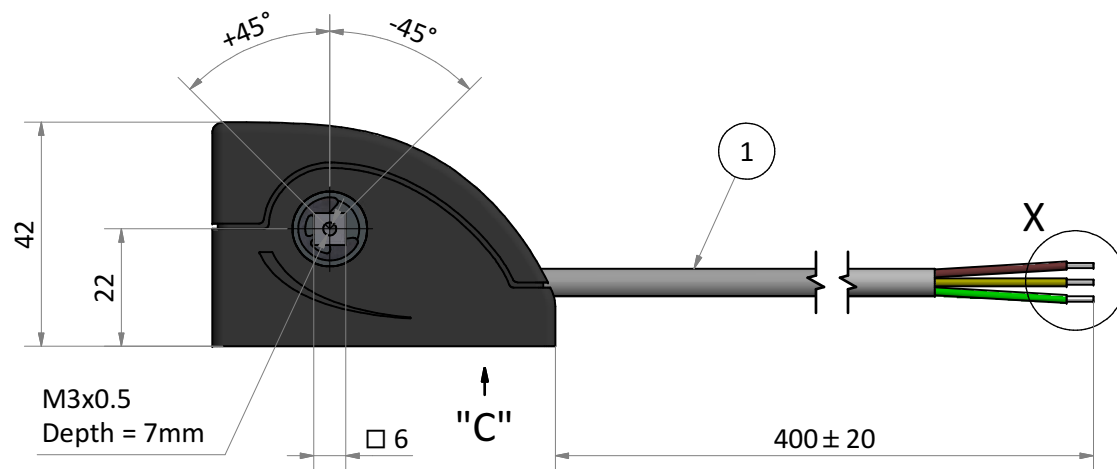
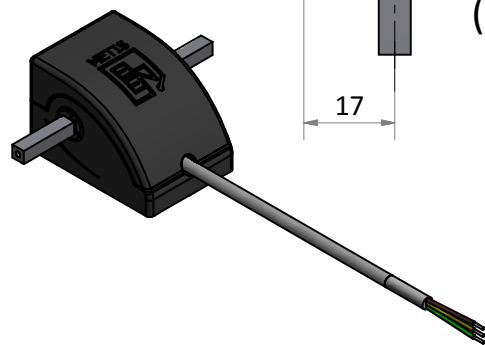
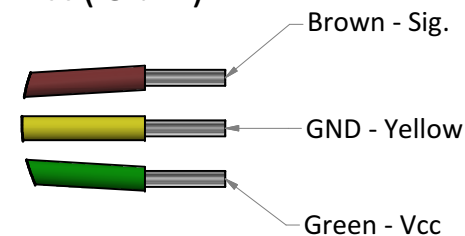




"C"
(Fixing Holes)

X (3 : 1)

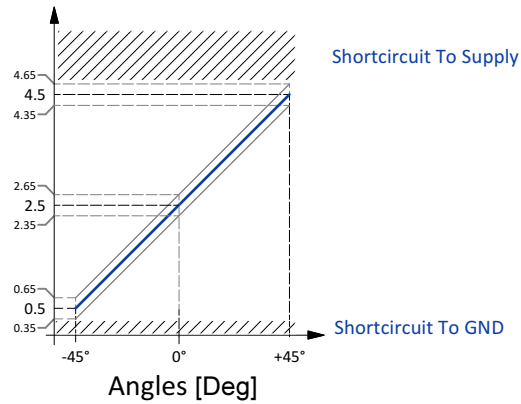


Ref.	Description	Operating Temperature (°C)
1	Cable UL 2464 - CSA C22-2 AWM	-30 / +80

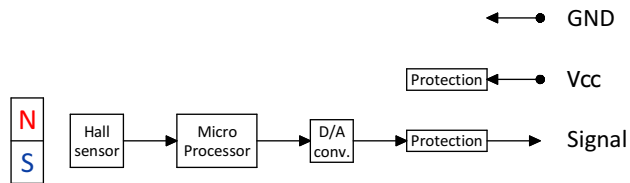
 ELEN industrial vehicles sensors		www.elensrl.com		Elen Srl - Garbagnate Milanese (MI)	
		Part Number:		AA311102	
		Description:		Accelerator Knob Metis 5V 0.5-4.5V Single Sign.	
Rev.	Date	Sign.	Review	Description	

■ Output Signal

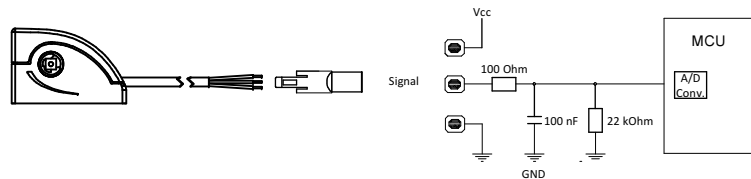
Signal (V) @Vin = 5V



■ Functional Scheme



■ Typical Application



■ Technical Specifications

	Specific	Value	Standard Reference
Electrical	Power Supply (Vcc)	4.5V Min ÷ 5.5V Max	PDV Rev. 3 - P. 5.1;
	Output Current	1mA Max	PDV Rev. 3 - P. 5.5;
	Supply Current (No Load)	30mA Max	PDV Rev. 3 - P. 5.2;
	Overload Protection	1.2mA For 1h	PDV Rev. 3 - P. 5.6;
	Overvoltage Protection	6.5V For 1h	PDV Rev. 3 - P. 5.7;
	Temperature Operating Voltage	5.5V @ 80°C For 1h	PDV Rev. 3 - P. 5.8;
	Output Signal	Linear 0,5V@-45° ÷ 4,5V@+45° (2.5V@0°)	-
	Reverse Polarity Protection	-5.5V For 1h	PDV Rev. 3 - P. 5.3;
	Shortcircuit Protection	To Ground For 5' ; To Supply For 5'	PDV Rev. 3 - P. 5.4;
	Insulation Resistance	1000MΩ@500V	PDV Rev. 3 - P. 5.10;
	Dielectric Rigidity	750V@50Hz For 60s	PDV Rev. 3 - P. 5.11;
	ESD Protection	±8kV Contact; ±15kV Air	EN 61000-4-2;
	Linearity	<±1%	-
	Resolution	<12 bit	-
	Maximum Load Recommended Output	>5 kOhm	-
Environmental	Operating Temperature	-30°C ÷ +80°C	IEC 60068-2-14; IEC60068-2-1; IEC60068-2-2; IEC60068-2-30;
	Storage Temperature	-40°C ÷ +110°C	IEC 60068-2-14; IEC60068-2-1; IEC60068-2-2; IEC60068-2-30;
	Degree Of Protection	IP67	IEC 60529;
	Vibrations Resistance - Random	f=10Hz@PSD=1.44g2/Hz; f=100Hz@PSD=3.85 g2/Hz; f=1000Hz@PSD=3.85g2/Hz; f=2000Hz@PSD=0.96g2/Hz; 3 Axes - 24h for Axis	IEC 60068-2-6; ENS 0310 Rev J;
	Vibrations Resistance - Sine	(5÷12.87)Hz@displacement=±15mm, (12.87÷200)Hz@dis±15mm@5g, 10octave/min, 20 Sweep Cycles	IEC 60068-2-6;ISO 15998;
	EMC Compatibility - Magnetic Field Immunity	15Hz ÷ 150 kHz	ISO11452-8:2015;
Mech.	EMC Compatibility - BCI	BCI Class "A" - 100mA; (1÷400)MHz	ISO11452-4;
	Body Material	Nylon 6.6 GF	-
	Cover Material	Nylon 6.6 GF	-
	Shaft Material	Stainless steel	-
	Tightening Torque	2.3 Nm	-